"Express Mail" mailing number _____EV579135120US

Date of Deposit _____
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the

Commissioner of Patents and Trademarks, Alexandria, VA 22313-1450

40/589222IAP11 Rec'd PCT/PTO 11 AUG 2006

Stacie H. Boswees

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PCT ELECTED OFFICE (EO/US)

In re Application of:

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL

HILL ET AL.

PCT Application No.:

PCT/US05/04421

Filed:

Stacie H. Boswell

14 February 2005

(Priority Date – 13 February 2004)

Attorney Docket No.:

421/96 PCT

For:

FUNCTIONAL MATERIALS AND NOVEL METHODS FOR THE

FABRICATION OF MICROFLUIDIC DEVICES

AMENDMENT PURSUANT TO PCT ARTICLE 34

MAIL STOP PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 2213-1450

Sir:

It is respectfully requested that the following Amendments be entered pursuant to PCT Article 34.

AMENDMENTS

Please amend the application as follows:

IN THE SPECIFICATION:

Please replace pages 6, 31, 37, 44, 53, 76, 83, 84, and 107-110 of the specification and replace therewith the new, amended pages 6, 31, 37, 44, 53, 76, 83, 84, and 107-110 attached hereto.

IN THE CLAIMS:

Applicant has made the following amendments to the claims in the abovereferenced PCT International Application:

Claims 1-58, unchanged;

Claim 59, amended;

Claims 60-70, unchanged;

Claim 71, amended;

Claims 72-81, unchanged;

Claims 82-83, amended;

Claims 84-87, unchanged;

Claim 88, amended;

Claims 89-92, unchanged;

Claim 93, amended;

Claims 94-98, unchanged;

Claim 99, amended;

Claims 100-105, unchanged;

Claim 106, amended;

Claims 107-238, unchanged.